Glass
On the Williams–Watts function of dielectric relaxation, 1280
Graph
Isometric embeddings of graphs, 7259
Growth rate
On the mathematical theory of globally optimal planned economic systems, 6549
GSp(4) × GL(2)
L and ϵ functions for GSp(4) × GL(2), 3924

Hafnium
Structure of the ^{168}Hf nucleus in high rotational states, 3261
Hamiltonian system
A theorem with Hamiltonian systems, 5893
Harish–Chandra homomorphism
Laplace operators of infinite-dimensional Lie algebras and theta functions, 645
Heme
On the redox conformational change in cytochrome *c*, 5901
Histidine
Local structure involving histidine-12 in reduced *S*-sulfonated ribonuclease A detected by proton NMR spectroscopy under folding conditions, 4606
Hydroxide
Base (O_2^-, e^-, or OH^-)-induced autoxygenation of organic substrates: A model chemical system for cytochrome P-450-catalyzed monoxygenation and dehydrogenation by dioxygen, 8025
Hypersphere
On the construction of nonequatorial minimal hyperspheres in $S^n(1)$ with stable cones in R^{n+1}, 8035

***s*-Indacene dimer**
Model calculations of the interaction of two parallel antiaromatic $4n$ π-electron systems, 2589
Integrability
Geodesic flow on SO(4) and the intersection of quadrics, 4613
Intertwining operator
Indefinite intertwining operators, 1272
Ion pair
Critical phenomena and thermodynamics of dilute aqueous sodium chloride to 823 K, 1268
Iridium
Evidence from bond lengths and bond angles for enneacovalence of cobalt, rhodium, iridium, iron, ruthenium, and osmium in compounds with elements of medium electronegativity, 1918
Iron
Evidence from bond lengths and bond angles for enneacovalence of cobalt, rhodium, iridium, iron, ruthenium, and osmium in compounds with elements of medium electronegativity, 1918
Isomerism, rotational
Rotational isomerism about the 17(20)-bond of steroids and euphoids as shown by the crystal structures of euphol and tirucallol, 5896
Isometry
Isometric embeddings of graphs, 7259

Jordan's theorem
Post-classification version of Jordan's theorem on finite linear groups, 5278

Kac–Moody algebra
Laplace operators of infinite-dimensional Lie algebras and theta functions, 645
Kinked chain
The pre-melt phase of *n*-alkanes: Crystallographic evidence for a kinked chain structure, 1913

L function
L and ϵ functions for GSp(4) × GL(2), 3924
Laplace operator
Laplace operators of infinite-dimensional Lie algebras and theta functions, 645
Lax equation
Superintegrable systems, 6562
Lie algebra
Laplace operators of infinite-dimensional Lie algebras and theta functions, 645
The restricted simple Lie algebras are of classical or Cartan type, 5271
On finite subgroups of SU(2), simple Lie algebras, and the McKay correspondence, 5275
Lie group
Indefinite intertwining operators, 1272
Lipid
Periodic structures in lipid monolayer phase transitions, 3249
Local structure
Local structure involving histidine-12 in reduced *S*-sulfonated ribonuclease A detected by proton NMR spectroscopy under folding conditions, 4606
***L*^{p}($\mathbf{R}^2$)**
Radial Fourier multipliers of $L^p(R^2)$, 3254

Magic-angle sample-spinning
Cross-polarization/magic-angle sample-spinning ^{13}C NMR spectroscopic study of chlorophyll *a* in the solid state, 641
Manganese
Epoxidation of olefins by cytochrome P-450 model compounds: Mechanism of oxygen atom transfer, 3245
Manganese nodule
Estimation of continental ^{187}Os/^{186}Os values by using ^{187}Os/^{186}Os and ^{143}Nd/^{144}Nd ratios in marine manganese nodules, 8032
Mapping
Escape from strange repellers, 1276
Markov family
On stabilization of the solutions of parabolic equations with small parameter, 5267
McKay correspondence
On finite subgroups of SU(2), simple Lie algebras, and the McKay correspondence, 5275
Melting
The pre-melt phase of *n*-alkanes: Crystallographic evidence for a kinked chain structure, 1913
Membrane
Periodic structures in lipid monolayer phase transitions, 3249
Theory of the intermediate rippled phase of phospholipid bilayers, 6559
Micelle
Statistical thermodynamics of amphiphile chains in micelles, 4601
Minkowski space
Reduction of scattering to an invariant finite displacement in an ambient space-time, 7266
Modified neglect of differential overlap
Model calculations of the interaction of two parallel antiaromatic $4n$ π-electron systems, 2589
Modular function *J*
A natural representation of the Fischer–Griess Monster with the modular function *J* as character, 3256
Molybdenum
Rotational barrier of a molybdenum-molybdenum quadruple bond, 2592
Monolayer
Periodic structures in lipid monolayer phase transitions, 3249
Monstrous Moonshine
A natural representation of the Fischer–Griess Monster with the modular function *J* as character, 3256
Multivariate harmonizable process
The spectral domain of multivariate harmonizable processes, 4611

Neodymium
Estimation of continental ^{187}Os/^{186}Os values by using ^{187}Os/^{186}Os and ^{143}Nd/^{144}Nd ratios in marine manganese nodules, 8032
NMR
Cross-polarization/magic-angle sample-spinning ^{13}C NMR spectroscopic study of chlorophyll *a* in the solid state, 641
Nuclear explosion
Yields of Soviet underground nuclear explosions from seismic surface waves: Compliance with the Threshold Test Ban Treaty, 1922
Nuclear structure
Structure of the ^{168}Hf nucleus in high rotational states, 3261

Olefin
Epoxidation of olefins by cytochrome P-450 model compounds: Mechanism of oxygen atom transfer, 3245
Operator
Indefinite intertwining operators, 1272
Oscillator
Chaotic motion of a weakly nonlinear, modulated oscillator, 3919
Osmium
Evidence from bond lengths and bond angles for enneacovalence of cobalt, rhodium, iridium, iron, ruthenium, and osmium in compounds with elements of medium electronegativity, 1918
Estimation of continental ^{187}Os/^{186}Os values by using ^{187}Os/^{186}Os and ^{143}Nd/^{144}Nd ratios in marine manganese nodules, 8032
Oxygen
Epoxidation of olefins by cytochrome P-450 model compounds: Mechanism of oxygen atom transfer, 3245
Base (O_2^-, e^-, or OH^-)-induced autoxygenation of organic substrates: A model chemical system for cytochrome P-450-catalyzed monoxygenation and dehydrogenation by dioxygen, 8025

Padé approximation
On some applications of diophantine approximations, 1926
On applications of diophantine approximations, 7261
Parabolic equation
On stabilization of the solutions of parabolic equations with small parameter, 5267
Parameter
On stabilization of the solutions of parabolic equations with small parameter, 5267
Pentaammineruthenium-(histidine-83)azurin
Preparation and characterization of pentaammineruthenium-(histidine-83)azurin: Thermodynamics of intramolecular electron transfer from ruthenium to copper, 6554
Pentalene dimer
Model calculations of the interaction of two parallel antiaromatic $4n$ π-electron systems, 2589
Periodic structure
Periodic structures in lipid monolayer phase transitions, 3249
Phase transition
The pre-melt phase of *n*-alkanes: Crystallographic evidence for a kinked chain structure, 1913
Periodic structures in lipid monolayer phase transitions, 3249
Theory of the intermediate rippled phase of phospholipid bilayers, 6559
Phenylalanine
Racemization of aspartic acid and phenylalanine in the sweetener aspartame at 100°C, 5263
Phospholipid bilayer
Theory of the intermediate rippled phase of phospholipid bilayers, 6559

π-electron system
Model calculations of the interaction of two parallel antiaromatic $4n$ π-electron systems, 2589
Planning
On the mathematical theory of globally optimal planned economic systems, 6549
Plastocyanin
Temperature dependence of the resonance Raman spectra of plastocyanin and azurin between cryogenic and ambient conditions, 1263
Poisson bracket
A theorem with Hamiltonian systems, 5893
Polymer
On the Williams–Watts function of dielectric relaxation, 1280
Porphyrin
Rotational barrier of a molybdenum-molybdenum quadruple bond, 2592
Epoxidation of olefins by cytochrome P-450 model compounds: Mechanism of oxygen atom transfer, 3245
Positive definite bimeasure integral
The spectral domain of multivariate harmonizable processes, 4611
Production
On the mathematical theory of globally optimal planned economic systems, 6549
Protein conformation
On the redox conformational change in cytochrome *c*, 5901
Protein folding
Local structure involving histidine-12 in reduced *S*-sulfonated ribonuclease A detected by proton NMR spectroscopy under folding conditions, 4606
Quadric
Geodesic flow on SO(4) and the intersection of quadrics, 4613
Quadruple bond
Rotational barrier of a molybdenum-molybdenum quadruple bond, 2592
Racemization
Racemization of aspartic acid and phenylalanine in the sweetener aspartame at 100°C, 5263
Radial function
Radial Fourier multipliers of $L^p(\mathbf{R}^2)$, 3254
Random walk
On the Williams–Watts function of dielectric relaxation, 1280
Reduction–oxidation
On the redox conformational change in cytochrome *c*, 5901
Preparation and characterization of pentaammineruthenium-(histidine-83)azurin: Thermodynamics of intramolecular electron transfer from ruthenium to copper, 6554
Repeller
Escape from strange repellers, 1276
Resonance Raman spectrum
Temperature dependence of the resonance Raman spectra of plastocyanin and azurin between cryogenic and ambient conditions, 1263
Rhodium
Evidence from bond lengths and bond angles for enneacovalence of cobalt, rhodium, iridium, iron, ruthenium, and osmium in compounds with elements of medium electronegativity, 1918
Ribonuclease A
Local structure involving histidine-12 in reduced *S*-sulfonated ribonuclease A detected by proton NMR spectroscopy under folding conditions, 4606
Rippled phase
Theory of the intermediate rippled phase of phospholipid bilayers, 6559
Risk-efficient estimation
Risk-efficient estimation of the mean exponential survival time under random censoring, 5906
$\mathbf{R}^{n+1}$
On the construction of nonequatorial minimal hyperspheres in $S^n(1)$ with stable cones in $\mathbf{R}^{n+1}$, 8035
Rotational barrier
Rotational barrier of a molybdenum-molybdenum quadruple bond, 2592
Rotational state
Structure of the ^{168}Hf nucleus in high rotational states, 3261
Ruthenium
Evidence from bond lengths and bond angles for enneacovalence of cobalt, rhodium, iridium, iron, ruthenium, and osmium in compounds with elements of medium electronegativity, 1918
Preparation and characterization of pentaammineruthenium-(histidine-83)azurin: Thermodynamics of intramolecular electron transfer from ruthenium to copper, 6554
$S^n(1)$
On the construction of nonequatorial minimal hyperspheres in $S^n(1)$ with stable cones in $\mathbf{R}^{n+1}$, 8035
Sampling
Optimal sequential sampling from two populations, 1284
Scattering
Reduction of scattering to an invariant finite displacement in an ambient space-time, 7266
Seismic surface wave
Yields of Soviet underground nuclear explosions from seismic surface waves: Compliance with the Threshold Test Ban Treaty, 1922
SO(4)
Geodesic flow on SO(4) and the intersection of quadrics, 4613
Sodium chloride
Critical phenomena and thermodynamics of dilute aqueous sodium chloride to 823 K, 1268
Soviet Union
Yields of Soviet underground nuclear explosions from seismic surface waves: Compliance with the Threshold Test Ban Treaty, 1922
Space-time
Reduction of scattering to an invariant finite displacement in an ambient space-time, 7266
Spectral domain
The spectral domain of multivariate harmonizable processes, 4611
Steroid
Rotational isomerism about the 17(20)-bond of steroids and euphoids as shown by the crystal structures of euphol and tirucallol, 5896
Strange repeller
Escape from strange repellers, 1276
SU(2)
On finite subgroups of SU(2), simple Lie algebras, and the McKay correspondence, 5275
Superintegrable system
Superintegrable systems, 6562
Superoxide
Base (O_2^-, e^-, or OH^-)-induced autoxygenation of organic substrates: A model chemical system for cytochrome P-450-catalyzed monoxygenation and dehydrogenation by dioxygen, 8025
Survival time
Risk-efficient estimation of the mean exponential survival time under random censoring, 5906
Symmetry
A theorem with Hamiltonian systems, 5893
Temperature
Transcription of ground-state density-functional theory into a local thermodynamics, 8037
Thermodynamics
Critical phenomena and thermodynamics of dilute aqueous sodium chloride to 823 K, 1268
Statistical thermodynamics of amphiphile chains in micelles, 4601
Transcription of ground-state density-functional theory into a local thermodynamics, 8037
Theta function
Laplace operators of infinite-dimensional Lie algebras and theta functions, 645
Threshold Test Ban Treaty
Yields of Soviet underground nuclear explosions from seismic surface waves: Compliance with the Threshold Test Ban Treaty, 1922
Tirucallol
Rotational isomerism about the 17(20)-bond of steroids and euphoids as shown by the crystal structures of euphol and tirucallol, 5896
Tits cone
Laplace operators of infinite-dimensional Lie algebras and theta functions, 645
Two-armed bandit
Optimal sequential sampling from two populations, 1284
Unitary representation
Indefinite intertwining operators, 1272
Vector potential
Dirac operators coupled to vector potentials, 2597
Wave equation
Reduction of scattering to an invariant finite displacement in an ambient space-time, 7266
Whittaker model
L and ϵ functions for GSp(4) × GL(2), 3924
Williams–Watts function
On the Williams–Watts function of dielectric relaxation, 1280
Yrast band
Structure of the ^{168}Hf nucleus in high rotational states, 3261

Adler, M. 4613
Atiyah, M. F. 2597
Bada, J. L. 5263
Baldoni-Silva, M. W. 1272
Ben-Shaul, A. 4601
Benson, M. 5896
Berkowitz, M. 8028
Bickert, P. 2589
Blair, D. F. 6554
Block, R. E. 5271
Boehm, M. F. 5263
Boekelheide, V. 2589
Böhm, M. C. 2589
Bottema, M. J. 5237
Brauman, J. I. 3245
Brown, C. E. 641
Burger, V. T. 641
Calderwood, T. S. 8025
Carbery, A. 3254
Case, K. M. 5893
Che, C.-M. 6554
Chiang, H.-J. 6554
Chudnovsky, G. V. 1926
Chudnovsky, G. V. 7261
Cifuentes, I. L. 1922
Collman, J. P. 2592
Collman, J. P. 3245
Dehmelt, H. 8037
Dorset, D. L. 1913
Freidlin, M. I. 5267
Frenkel, I. B. 3256
Frisch, H. L. 6559
Fry, H. A. 1263
Gardiner, J. C. 5906
Gasper, G. 3254
Gelbart, W. M. 4601
Ghosh, S. K. 8028
Goldstein, D. A. 5901
Graham, R. L. 7259
Gray, H. B. 6554
Hafner, K. 2589
Hsiang, W.-y. 8035
Hua, L.-K. 6549
Kac, V. G. 645
Kadanoff, L. P. 1276
Katz, J. J. 641
Knapp, A. W. 1272
Kodadek, T. 3245
Kostant, B. 5275
Kostić, N. M. 6554
Kupershmidt, B. 6562
Lai, T. L. 1284
Landrey, J. R. 5896
Langer, J. S. 6559
Lepowsky, J. 3256
Li, Y.-g. 1268
Lotz, B. 1913
Luck, J.-M. 8032
McConnell, H. M. 3249
McConnell, H. M. 6559
Marder, M. 6559
Margalit, R. 6554
Meunier, B. 3245
Meurman, A. 3256
Miles, J. 3919
Montelione, G. T. 4606
Montroll, E. W. 1280
Moss, B. 1913
Nes, W. D. 5896
Nes, W. R. 5896
Norton, K. A. 1263
Parr, R. G. 8028
Pauling, L. 1918
Pauling, L. 3261
Pecht, I. 6554
Piatetski-Shapiro, I. I. 3924
Pitzer, K. S. 1268
Rackovsky, S. 5901
Rao, M. M. 4611
Raybuck, S. A. 3245
Robbins, H. 1284
Sawyer, D. T. 8025
Scheraga, H. A. 4606
Schroeder, W. A. 6554
Segal, I. E. 7266
Shelton, J. B. 6554
Shelton, J. R. 6554
Shlesinger, M. F. 1280
Singer, I. M. 2597
Smith, K. T. 5237
Soudry, D. 3924
Spencer, R. B. 641
Sterling, I. 8035
Sugimoto, H. 8025
Susarla, V. 5906
Swadesh, J. K. 4606
Swanson, B. I. 1263
Sykes, L. R. 1922
Szleifer, I. 4601
Tamm, L. K. 3249
Tang, C. 1276
Thannhauser, T. W. 4606
Trebels, W. 3254
Turekian, K. K. 8032
van Moerbeke, P. 4613
Wagner, S. L. 5237
Weis, R. M. 3249
Weisfeiler, B. 5278
Wilson, R. L. 5271
Winkler, P. M. 7259
Wittmann, J. C. 1913
Wong, R. Y. 5896
Woo, L. K. 2592
Woodruff, W. H. 1263